

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. No: To Be Assigned
Applicant: Dharshini C. Fongalland et al.
Filed: Herewith
Title: SUBSTRATE
TC/A.U.:
Examiner:
Confirmation No.:
Docket No.: JMYT-234US1

Continuation of:

Appln. No: 09/807,353
Applicant: Dharshini C. Fongalland et al.
Filed: April 12, 2001
Title: SUBSTRATE
TC/A.U.: 1723
Examiner: Krishnan S. Menon
Confirmation No.: 6310
Docket No.: JMYT-234US

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

Under 37 C.F.R. § 1.98(d), copies of the patents and publications listed on the enclosed PTO Form 1449 are not required to be provided, because they were cited by or submitted to the Patent and Trademark Office in prior application Serial No. 09/807,353, filed April 12, 2001, which is relied upon for an earlier filing date under 35 U.S.C. § 120.

This Information Disclosure Statement is being filed concurrently with the above-referenced continuation application.

Respectfully submitted,



Christopher R. Lewis, Reg. No. 36,201
Attorney for Applicants

CRL/lrb

Enclosure: Form PTO/SB/08 (3 pgs.)

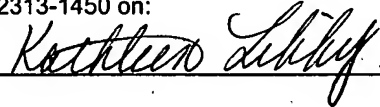
Dated: October 20, 2003

P.O. Box 980
Valley Forge, PA 19482
(610) 407-0700

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Kathleen Libby

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

C mplete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Dharshini C. Fongalland
Art Unit	
Examiner Name	
Attorney Docket No.	JMYT-234US1

SHEET 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-3,282,875	11-01-1966	Connolly et al.	
		US-4,329,435	05-11-1982	Kimoto et al.	
		US-4,330,654	05-18-1982	Ezzell et al.	
		US-4,358,545	11-09-1982	Ezzell et al.	
		US-4,417,969	11-29-1983	Ezzell et al.	
		US-4,433,082	02-21-1984	Grot	
		US-4,610,762	09-09-1986	Birdwell	
		US-4,842,620	06-27-1989	Hammel et al.	
		US-4,940,525	07-10-1990	Ezzell et al.	
		US-5,094,995	03-10-1992	Butt et al.	
		US-5,438,082	08-01-1995	Helmer-Metzmann et al.	
		US-5,468,574	11-21-1995	Ehrenberg et al.	
		US-5,523,181	06-04-1996	Stonehart et al.	
		US-5,547,551	08-20-1996	Bahar et al.	
		US-5,595,676	01-21-1997	Barnes et al.	
		US-5,599,639	02-04-1997	Sansone et al.	
		US-6,042,958	03-28-2000	Denton et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		EP-0 331 321	09-06-1989	ICI PLC		<input type="checkbox"/>
		EP-0 345 964	12-13-1989	ICI PLC		<input type="checkbox"/>
		EP-0 574 791	12-22-1993	Hoechst AG		<input type="checkbox"/>
		EP-0 731 520	09-11-1996	Johnson Matthey PLC		<input type="checkbox"/>
		EP-0 791 974	08-27-1997	Johnson Matthey PLC		<input type="checkbox"/>
		EP-0 875 524	11-04-1998	DSM NV		<input type="checkbox"/>

Examiner
SignatureDate
Considered

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¹Applicant's unique citation designation number (optional).

²See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

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The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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C mplete if Kn wn

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Dharshini C. Fongalland
Art Unit	
Examiner Name	
Attorney Docket No.	JMYT-234US1

SHEET 2 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		DD-283 478	10-17-1990	Leipzig Chemieanlagen		<input type="checkbox"/>
		GB-1 599 077	09-30-1981	Yuasa Battery Co. Ltd.		<input type="checkbox"/>
		JP-57 159502 (Abstract Only)	10-01-1982	Toyo Boseki KK		<input type="checkbox"/>
		JP-06 304548 (Abstract Only)	11-01-1994	Matsushita Electric Ind. Co. Ltd.		<input type="checkbox"/>
		NL-8003824	02-01-1982	Akzo NV		<input type="checkbox"/>
		WO-94/16002	07-21-1994	Allied Signal, Inc.		<input type="checkbox"/>
		WO-95/08581	03-30-1995	Ballard Power Systems		<input type="checkbox"/>
		WO-97/25369	07-17-1997	Ballard Power Systems, C. Stone, A. E. Steck		<input type="checkbox"/>

Examiner Signature		Date Considered	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	To Be Assigned
Filing Date	Herewith
First Named Inventor	Dharshini C. Fongalland
Art Unit	
Examiner Name	
Attorney Docket No.	JMYT-234US1

SHEET 3 of 3

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Kolde et al., "Advanced Composite Polymer Electrolyte Fuel Cell Membranes," Electrochemical Society Proceedings, Vol. 95-23 (1995) pp. 193-201.	<input type="checkbox"/>
		International Search Report dated January 12, 2000, from International Application No. PCT/GB99/02935	<input type="checkbox"/>
		British Search Report dated February 19, 1999, from British Application No. 9822569.1.	<input type="checkbox"/>
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²Applicant is to place a check mark here if English language translation is attached.

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